

**BSC 65**FLOW DATA

Capacity	0-264 GPM
Flushing flow rate	Min. 26.5 GPM
Average water losses	0.11 GPM
Pressure losses	See selection chart
System pressure	4.4 psi – 115 psi.
Filtration	0.3 mm or 1.0 mm
Max particle size	8.5 mm
Type of filter basket:	Wedge wire

\* The Bernoulli Filters can also operate at higher flow rate with increased pressure losses.

MECHANICAL DATA

Design pressure	150 psig.
Test pressure	195 psig.
Design temperature	160° F.
Weight	26.4 #
Volume	0.8 gal.
End cover weight	6.6 #
Basket weight	2.2 #

MATERIALS

Body	C-PVC
Basket	AISI 316L
Flushing valve	POM
Piston	AISI 316L
Disk	Polyacetal
Piston seals	Polyurethane
End cover gasket	EPDM

PNEUMATIC DATA

Air pressure	Min. 90 psig.
Air consumption	0.14 CF/flush cycle free air
Average air consumption	0.04 CFM free air

ELECTRICAL DATA

Power	230 V AC
Consumption	10 W

AUTOMATIC CONTROL

**General** The Bernoulli Filter BSC 65 is a self cleaning pressure filter for water. The standard flushing mode is fixed time controlled but the filter is prepared for connection to a differential pressure switch. (option) The flushing may also be initiated manually.

**External** Three potential free contacts for 'FILTER IN OPERATION' , 'FLUSHING' 150° F.

**Alarm** The automatic mode of the operation include two kinds of alarm functions:  
1) Restriction in movement of the piston  
2) Degree of clogging. The degree of clogging is indicated by a differential pressure switch (option).

Both kinds of faults give one common external alarm but they are separated in the control panel.

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